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m	CA, USA, 6-10	Jan. 1997, <sub>1</sub>	pages 289-3	303.					. )
	Yu, P. S., et al.:	"Performan	ace Study C	A Coll	aborative Me	thod For Hier	archical Cach	ing In Pro	оху
_ /	Servers" Compu	ter Networl	ks And ISD	N Syste	ms, NL, Nort	h Holland Pui	olishing. Ams	terdam. V	ol. 30,
m	No. 1-7, 1April1	998, pages	215-224.						
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